Cronulla High School

Year 7 – Working as a Scientist

**Individual Assessment Task**

**Total Marks:** 26 **Time:** 2 weeks **Due Date:** 24 February 2012

**Task Description**

You are to investigate the work of a famous Australian scientist that has had a great impact of the progress of Science.

In your report you need to include the key points listed below. Use the check boxes to ensure you have included all of the appropriate information:

1. Write a brief history of their life, including:
2. Their date of birth.
3. The branch/es of Science they studied.
4. The award/s they have received in their career.
5. A picture of the scientist with a clear label.
6. Choose five (5) adjectives (describing words) to express your understanding of the scientists work. For example, *imaginative* or *visionary* (not *smart* or *funny*).
7. Complete the following sentences with reference to the scientists work:
8. He/she wanted…
9. He/she challenged…
10. He/she felt…
11. He/she died knowing…
12. Describe the major discovery that they contributed to.
13. List one (1) advantage of their research.
14. List one (1) disadvantage of their research.
15. Explain how their work effects society (think of the ‘*So what?*’ factor).
16. Predict what might happen if their discovery wasn’t made.
17. Bibliography that:
18. Cites at least two (2) different types of secondary sources used for your research. For example, a book and a website.
19. Follows the correct layout for a bibliography. Use your school diary for the correct layout or your reference list.

**Syllabus outcomes assessed:**

4.1 e) describe historical cases where developments in Science have led to the new technologies

4.15 a) identify some of the scientific ideas that different cultures have contributed to Science throughout history

4.16 a) use a range of sources, including databases, CD-ROMS and the internet to access information

4.17 c) distinguish between relevant and irrelevant information

4.19 a) justify inferences in light of gathered information

**Marking Guidelines**

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **Marks available** | | **Marks awarded** |
| Spelling and grammar have been checked by student prior to submission | 1 | |  |
| Clear title | 1 | |  |
| Name of scientist | 1 | |  |
| Date of birth | 1 | |  |
| Branch/es of science | 1 | |  |
| Award/s received | 1 | |  |
| Picture of scientist | Image without label  1 | Image with label  2 |  |
| Five (5) adjectives | Simple, superficial  1 | Shows reflection/depth  2 |  |
| Four (4) descriptor sentences | Simple, superficial  1 | Shows reflection/depth  2 |  |
| Major discovery of scientist | Brief mention of scientific discovery/idea  1 | Explanation of scientific discovery/idea  2 |  |
| One (1) advantage of research | Identifies one benefit on society  1 | Explains one benefit on society  2 |  |
| One (1) disadvantage of research | Identifies one disadvantage on society  1 | Explains one disadvantage on society  2 |  |
| Effect of work on society | Identifies one effect on society  1-2 | Explains one effect on society (so what?)  3-4 |  |
| Prediction if discovery had not been made | Outlines one prediction  1-2 | Explains one prediction  3-4 |  |
| Types of secondary sources | One type of secondary source  1 | More than one type of secondary source  2 |  |
| Layout of bibliography | Some formatting involved  1 | Correctly formatted (school diary)  2 |  |
| **Maximum Marks** | **28** | |  |